

IN THE CLAIMS

Please amend claim 1 and add new claims 38 through 56 as set forth below.

1. (Currently Amended) A Web page document apparatus ~~which results in a client side computer displaying a Web page corresponding to the Web page document, the Web page document~~ comprising:

a server-side computer;

a client-side computer coupled to receive a Web page document from the server-side computer for displaying a Web page corresponding to the Web page document;

the Web page document including information describing one or more database-related components included on the Web page; and

event-driven code associated with ~~at least some of~~ the one or more database-related components, the event-driven code being executed by the client-side computer which displays the Web page, and the event-driven code being capable of creating and sending, to the server-side

computer, an information request to access a remote set of data, which is stored in a remote database that is accessible to the server-side computer, and wherein execution of the event-driven code causes the client-side computer to determine criteria that describes the remote set of data based on state variables created and maintained on the client-side computer, and to include the criteria in the information request.

2-37. (Canceled)

38. (New) Web page document apparatus as claimed in claim 1 wherein after the client-side computer receives the remote set of data corresponding to the information request, the event-driven code causes at least a portion of the remote set of data to be displayed in conjunction with the one or more database-related components.

39. (New) Web page document apparatus as claimed in claim 1 wherein the Web page document further includes a report generation code associated with a report component, and when the report generation code is executed by the client-side computer, the client-side computer creates a

report document which includes at least some data that was requested by the event-driven code.

40. (New) Web page document apparatus as claimed in claim 1 further including Web page development apparatus comprising:

a monitor for displaying the Web page defined by the Web page document for viewing by a developer;

a user input for enabling the developer to input development information relating to the development of the Web page, which is executable by the client-side computer; and

a Web page development processor coupled to the monitor and the user input for initializing and executing a Web page development tool, the Web page development processor causing the Web page to be displayed on the monitor, receiving the development information from the user input, and causing modifications to the Web page document based on the development information, the modifications including incorporation into the Web page document.

41. (New) Web page document apparatus as claimed in claim 1 wherein the server-side computer includes:

communication apparatus that receives a first message from, and sends a second message to, the client-side computer, the first message including an information request to access the remote set of data within the remote data base accessible to the server-side computer, and the first message is generated by event-driven code included in the Web page document executed by the client-side computer, the information request identifying the remote set of data based on state variables created, stored, and maintained on the client-side computer, and the second message including the remote set of data; and

a server-side processor, coupled to the communication apparatus, for processing the information request to identify the remote set of data, for creating the second message which includes the remote set of data, and for causing the second message to be sent to the client-side computer so that the client-side computer can display at least a portion of the event-driven code.

42. (New) Web page document apparatus as claimed in claim 41 further including data storage coupled to the processor for storing the remote set of data.

43. (New) Web page document apparatus as claimed in claim 1 wherein the client-side computer includes:

communication apparatus for sending information requests to, and receiving at least one remote set of data from, a server-side computer;

a client-side processor coupled to the communication apparatus for executing the Web page document associated with the Web page, the client-side processor including execution of event-driven code associated with database-related components included within the Web page document, the event-driven code being capable of creating and sending, to the server-side computer, an information request to access the at least one remote set of data stored in the remote database accessible to the server-side computer, execution of the event-driven code causing the client-side computer to determine criteria that describes the at least one remote set of data, based on state variables created and

maintained on the client-side computer and to include the criteria in the information request; and

a monitor, coupled to the client-side processor, for displaying the Web page and at least a portion of the at least one remote set of data in conjunction with the database related components.

44. (New) Web page document apparatus as claimed in claim 43 wherein the client-side computer further includes encryption apparatus, coupled to the client-side processor, for encrypting the information requests.

45. (New) Web page document apparatus as claimed in claim 43 wherein the client-side computer further includes decryption apparatus, coupled to the client-side processor, for decrypting the at least one remote set of data.

46. (New) Web page document apparatus as claimed in claim 43 wherein the client-side computer further includes data storage coupled to the client-side processor for storing the state variables.

47. (New) Web page document apparatus comprising:

a Web page document including information describing one or more database-related components included on a Web page;

event-driven code associated with the one or more database-related components, the event-driven code being executed by a client-side computer which displays the Web page, and the event-driven code being capable of creating and sending, to a server-side computer, an information request to access a remote set of data, which is stored in a remote database that is accessible to a server-side computer, and wherein execution of the event-driven code causes the client-side computer to determine criteria that describes the remote set of data based on state variables created and maintained on the client-side computer, and to include the criteria in the information request.

the client-side computer being coupled to receive the Web page document from the server-side computer for displaying the Web page corresponding to the Web page document, the client-side computer including:

client-side communication apparatus for sending information requests to, and receiving at least one remote set of data from, the server-side computer;

a client-side processor coupled to the client-side communication apparatus for executing the Web page document associated with the Web page, the client-side processor including execution of event-driven code associated with database-related components included within the Web page document, the event-driven code being capable of creating and sending, to the server-side computer, an information request to access the at least one remote set of data stored in the remote database accessible to the server-side computer, execution of the event-driven code causing the client-side computer to determine criteria that describes the at least one remote set of data, based on state variables created and maintained on the client-side computer and to include the criteria in the information request; and

a client-side monitor, coupled to the client-side processor, for displaying the Web page and at least a portion of the at least one remote set of data in conjunction with the database related components; and

the server-side computer including:

server-side communication apparatus that receives a first message from, and sends a second message to, the client-side computer, the first message including an information request to access the remote set of data within the remote data base accessible to the server-side computer, and the first message is generated by event-driven code included in the Web page document executed by the client-side computer, the information request identifying the remote set of data based on state variables created, stored, and maintained on the client-side computer, and the second message including the remote set of data; and

a server-side processor, coupled to the communication apparatus, for processing the information request to identify the remote set of data, for creating the second message which includes the remote set of data, and for causing the second message to be sent to the client-side computer so that the client-side computer can display at least a portion of the event-driven code.

48. (New) Web page document apparatus as claimed in claim 47 further including Web page development apparatus comprising:

a Web page development monitor for displaying the Web page defined by the Web page document for viewing by a developer;

a user input for enabling the developer to input development information relating to the development of the Web page, which is executable by the client-side computer; and

a Web page development processor coupled to the Web page development monitor and the user input for initializing and executing a Web page development tool, the Web page development processor causing the Web page to be displayed on the Web page development monitor, receiving the development information from the user input, and causing modifications to the Web page document based on the development information, the modifications including incorporation into the Web page document.

49. (New) Web page document apparatus as claimed in claim 47 wherein the client-side computer further includes encryption apparatus, coupled to the client-side processor, for encrypting the information requests.

50. (New) Web page document apparatus as claimed in claim 47 wherein the client-side computer further includes decryption apparatus, coupled to the client-side processor, for decrypting the at least one remote set of data.

51. (New) Web page document apparatus as claimed in claim 47 wherein the client-side computer further includes data storage coupled to the client-side processor for storing the state variables.

52. (New) A method for executing a Web page displayed on a client-side computer, the method comprising the steps of:

displaying a first Web page, which is associated with a Web page document, wherein the Web page document includes event-driven code associated with one or more database-related components of the Web page document;

executing the event-driven code included within the Web page document, wherein the event-driven code determines criteria that describes a remote set of data, based on state

variables created and maintained on the client-side computer, and wherein the remote set of data is stored in a remote database that is accessible to a server-side computer;

creating and sending, to the server-side computer, an information request to access the remote data set, wherein the information request includes the criteria that describes the remote set of data;

receiving the remote set of data from the server-side computer; and

displaying at least a portion of the remote set of data in conjunction with the one or more database-related components.

53. (New) A method as claimed in claim 52 and further comprising the steps performed by the server-side computer including:

receiving an information request from the client-side computer at the server-side computer, wherein the information request is a request to access the remote set of

data stored in the remote database accessible to the server-side computer, and the information request being generated in response to execution, by the client-side computer, of event-driven code included within the Web page document, wherein the information request identifies the remote set of data based on state variables created, stored, and maintained on the client-side computer;

processing the information request to identify the remote set of data corresponding to the request;

creating a message which includes the remote set of data; and

sending the message to the client-side computer so that the client-side computer can display at least a portion of the remote set of data in response to execution of the event-driven code.

54. (New) The method of claim 53 further including the step of requesting a second Web page from the server-side computer.

55. (New) The method of claim 54 further including the step of displaying the second Web page simultaneously with the first Web page.

56. (New) The method of claim 56 wherein the first Web page has a first page-linked component and the second Web page has a second page-linked component, and the first page-linked component and the second page-linked component are linked between the first Web page and the second Web page, enabling related data to be displayed simultaneously in the first page-linked component and the second page-linked component.